

## Occupation Projections for Northwest Wisconsin: 2002 - 2012

### Occupational Group Summary for Northwest Wisconsin

SOC Code	Occupational Groups	Estimate employment		Change		Annual average			Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings		
00-0000	Total, All Occupations	69,710	77,960	8,250	11.8%	830	1,740	2,570	\$28,389	\$8.35 - \$16.82
11-0000	Management	2,700	3,060	360	13.3%	40	50	90	\$63,863	\$19.71 - \$39.47
13-0000	Business/Financial Operations	1,640	1,920	280	17.1%	30	30	60	\$41,030	\$13.82 - \$23.67
15-0000	Computer & Mathematical	560	680	120	21.4%	10	10	20	\$43,329	\$15.52 - \$24.84
17-0000	Architecture/Engineering	840	900	60	7.1%	10	20	30	\$48,854	\$17.30 - \$28.09
19-0000	Life, Physical, and Social Sciences	570	630	60	10.5%	10	10	20	\$41,351	\$15.25 - \$24.26
21-0000	Community/Social Services	1,290	1,550	260	20.2%	30	20	50	\$34,035	\$12.60 - \$20.23
23-0000	Legal	270	320	50	18.5%	10	0	10	\$58,850	\$14.32 - \$39.75
25-0000	Ed, Training, & Library	4,230	5,030	800	18.9%	80	90	170	\$35,806	\$11.05 - \$21.91
27-0000	Arts/Design/Entertainment/Sports/Media	690	770	80	11.6%	10	10	20	\$34,106	\$9.61 - \$22.05
29-0000	Healthcare Practitioners & Technicians	2,810	3,580	770	27.4%	80	50	130	\$40,625	\$10.54 - \$22.04
31-0000	Healthcare Support	2,280	2,920	640	28.1%	70	30	100	\$21,221	\$8.84 - \$11.29
33-0000	Protective Service	1,780	2,020	240	13.5%	20	50	70	\$30,392	\$9.55 - \$18.29
35-0000	Food Preparation & Serving	7,130	7,950	820	11.5%	80	280	360	\$16,638	\$6.28 - \$9.03
37-0000	Build & Grounds Cleaning/Maintenance	2,620	2,970	350	13.4%	40	50	90	\$20,210	\$7.37 - \$11.41
39-0000	Personal Care and Service	1,790	2,220	430	24.0%	40	40	80	\$19,736	\$7.41 - \$10.26
41-0000	Sales and Related	6,530	7,250	720	11.0%	70	230	300	\$22,158	\$6.85 - \$11.82
43-0000	Office/Administrative Support	10,300	10,590	290	2.8%	30	250	280	\$24,605	\$8.77 - \$13.86
45-0000	Farming/Fishing/Forestry	240	260	20	8.3%	0	10	10	\$26,118	\$10.17 - \$13.93
47-0000	Construction/Extraction	3,550	4,220	670	18.9%	70	70	140	\$35,150	\$12.58 - \$21.03
49-0000	Installation/Maintenance/Repair	2,720	3,010	290	10.7%	30	60	90	\$32,274	\$11.49 - \$19.02
51-0000	Production	8,570	8,870	300	3.5%	30	210	240	\$27,776	\$10.00 - \$16.20
53-0000	Transportation/Material Moving	6,610	7,250	640	9.7%	60	140	200	\$27,818	\$9.55 - \$16.56

(see notes on page 2)

## Occupation Projections for Northwest Wisconsin: 2002 - 2012

### Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation.
- (5) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

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# Occupation projections for Northwest Wisconsin: 2002 - 2012

## Top Occupations with Most New Jobs

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree (see note 9)	\$44,480	\$18.34 - \$23.93
41-2011	Cashiers	2,220	2,410	190	8.6%	20	110	130	Short-term on-the-job training	\$15,531	\$6.23 - \$8.36
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,180	1,310	130	11.0%	10	20	30	Short-term on-the-job training	\$20,368	\$7.55 - \$11.98
43-9061	Office Clerks/General	1,110	1,160	50	4.5%	10	30	40	Short-term on-the-job training	\$20,165	\$7.81 - \$11.43
35-3011	Bartenders	1,020	1,100	80	7.8%	10	40	50	Short-term on-the-job training	\$16,268	\$7.09 - \$8.41
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73
41-4012	Sls Reps/Whls/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
49-9042	Maint/Repair Wrks/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
25-2021	Elemen Schl Tchrs Ex Special Ed	710	780	70	9.9%	10	20	30	Bachelor's degree	\$41,824	-
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
53-3033	Truck Drivers/Light or Delivery Srvc	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	570	630	60	10.5%	10	10	20	Work exp. in a related occupation	\$39,040	\$14.55 - \$22.81
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
35-2021	Food Prep Wrks	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
37-3011	Landscaping/Grndskpng Wrks	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65
51-9111	Packagng/Filling Machn Oprs/Tendr	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top Occupations with Most New Jobs

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
31-1011	Home Health Aides	280	420	140	50.0%	10	<5	10	Short-term on-the-job training	\$19,073	\$8.06 - \$10.13
29-2061	Licensed Pract/Vocational Nurses	350	410	60	17.1%	10	10	20	Postsecondary vocational training	\$30,553	\$12.78 - \$16.55
33-2011	Fire Fighters	340	390	50	14.7%	10	10	20	Long-term on-the-job training	\$25,098	\$9.72 - \$15.89
53-3022	Bus Drivers/School	310	390	80	25.8%	10	10	20	Short-term on-the-job training	\$23,202	\$9.34 - \$13.28
47-2111	Electricians	290	370	80	27.6%	10	10	20	Long-term on-the-job training	\$35,728	\$12.21 - \$21.57
21-1093	Social/Human Service Assts	250	340	90	36.0%	10	<5	10	Moderate-term on-the-job training	\$27,168	\$9.36 - \$16.44
25-2011	Preschool Teachers/Ex Special Ed	250	320	70	28.0%	10	<5	10	Bachelor's degree	\$31,966	\$12.99 - \$18.17
39-9011	Child Care Wrks	240	300	60	25.0%	10	10	20	Short-term on-the-job training	\$18,628	\$7.14 - \$9.66
39-5012	Hairdress/Hairstyl/Cosmetologists	210	260	50	23.8%	10	<5	10	Postsecondary vocational training	\$17,566	\$6.27 - \$10.22
47-2152	Plumbers/Pipefitters/Steamfitters	200	250	50	25.0%	10	10	20	Long-term on-the-job training	\$48,683	\$22.83 - \$26.94
31-9091	Dental Assts	130	190	60	46.2%	10	<5	10	Moderate-term on-the-job training	\$23,800	\$9.68 - \$12.01
31-9092	Medical Assts	100	160	60	60.0%	10	<5	10	Moderate-term on-the-job training	\$23,934	\$10.00 - \$13.15

Also included in the top 44 but not shown to protect the confidentiality of employers are the following occupations:

43-4051	Customer Service Reps	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
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Sub-set totals (top 50)	29,030	33,910	4,880			560	810	1,370			
Overall totals	69,710	77,960	8,250			830	1,740	2,570			
Percent of overall	42%	43%	59%			67%	47%	53%			

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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## Occupation projections for Northwest Wisconsin: 2002 - 2012

### 50 Fastest Growing, with 200+ employment in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
31-1011	Home Health Aides	280	420	140	50.0%	10	<5	10	Short-term on-the-job training	\$19,073	\$8.06 - \$10.13
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
21-1093	Social/Human Service Assts	250	340	90	36.0%	10	<5	10	Moderate-term on-the-job training	\$27,168	\$9.36 - \$16.44
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree (see note 9)	\$44,480	\$18.34 - \$23.93
25-2011	Preschool Teachers/Ex Special Ed	250	320	70	28.0%	10	<5	10	Bachelor's degree	\$31,966	\$12.99 - \$18.17
47-2111	Electricians	290	370	80	27.6%	10	10	20	Long-term on-the-job training	\$35,728	\$12.21 - \$21.57
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
53-3022	Bus Drivers/School	310	390	80	25.8%	10	10	20	Short-term on-the-job training	\$23,202	\$9.34 - \$13.28
39-9011	Child Care Wrkrs	240	300	60	25.0%	10	10	20	Short-term on-the-job training	\$18,628	\$7.14 - \$9.66
41-2021	Counter and Rental Clerks	160	200	40	25.0%	<5	10	10	Short-term on-the-job training	\$18,332	\$6.69 - \$8.73
47-2152	Plumbers/Pipefitters/Steamfitters	200	250	50	25.0%	10	10	20	Long-term on-the-job training	\$48,683	\$22.83 - \$26.94
39-5012	Hairdress/Hairstyl/Cosmetologists	210	260	50	23.8%	10	<5	10	Postsecondary vocational training	\$17,566	\$6.27 - \$10.22
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
21-1021	Child/Family/School Social Wrkrs	210	250	40	19.0%	<5	<5	<5	Master's degree	\$33,417	\$12.50 - \$19.21
35-2021	Food Prep Wrkrs	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
43-4081	Hotel/Motel/Resort Desk Clerks	220	260	40	18.2%	<5	10	10	Short-term on-the-job training	\$17,592	\$7.54 - \$9.32
35-9031	Hosts Rest/Lounge/Coff Shop	170	200	30	17.6%	<5	10	10	Short-term on-the-job training	\$15,336	\$6.64 - \$8.16
29-2061	Licensed Pract/Vocational Nurses	350	410	60	17.1%	10	10	20	Postsecondary vocational training	\$30,553	\$12.78 - \$16.55
37-3011	Landscaping/Grndskpng Wrkrs	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20
53-3033	Truck Drivers/Light or Delivery Srvc	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
29-2041	Emergency Med Techs/Paramedics	180	210	30	16.7%	<5	<5	<5	Postsecondary vocational training	\$20,848	\$9.33 - \$10.69
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
41-4012	Sls Reps/Whsls/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### 50 Fastest Growing, with 200+ employment in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
33-2011	Fire Fighters	340	390	50	14.7%	10	10	20	Long-term on-the-job training	\$25,098	\$9.72 - \$15.89
47-1011	First-Line Sup/Mgr Const Trades/Extr Wkrs	280	320	40	14.3%	<5	10	10	Work exp. in a related occupation	\$49,723	\$18.91 - \$28.22
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
51-7011	Cabinetmakers/Bench Carpenters	220	250	30	13.6%	<5	10	10	Long-term on-the-job training	\$30,468	\$12.53 - \$16.97
41-1011	F-L Sups/Mgrs of Rtl Sls Wkrs	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
39-9032	Recreation Wkrs	230	260	30	13.0%	<5	10	10	Bachelor's degree	\$23,147	\$8.02 - \$14.45
47-2073	Opng Engrns/Other Con Eqp Oprs	230	260	30	13.0%	<5	10	10	Moderate-term on-the-job training	\$41,247	\$15.83 - \$25.26
49-9042	Maint/Repair Wkrs/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
51-9111	Packagng/Filling Machn Oprs/Tendrs	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

43-4051	Customer Service Reps	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
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Sub-set totals (top 50)	23,890	28,380	4,490		470	650	1,120
Overall totals	69,710	77,960	8,250		830	1,740	2,570
Percent of overall	34%	36%	54%		57%	37%	44%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

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## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	2,220	2,410	190	8.6%	20	110	130	Short-term on-the-job training	\$15,531	\$6.23 - \$8.36
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
35-3011	Bartenders	1,020	1,100	80	7.8%	10	40	50	Short-term on-the-job training	\$16,268	\$7.09 - \$8.41
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	1,130	1,090	-40	-3.5%	<5	40	40	Short-term on-the-job training	\$24,230	\$8.13 - \$14.31
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
43-9061	Office Clerks/General	1,110	1,160	50	4.5%	10	30	40	Short-term on-the-job training	\$20,165	\$7.81 - \$11.43
51-2092	Team Assemblers	1,200	1,180	-20	-1.7%	<5	30	30	Moderate-term on-the-job training	\$27,347	\$9.16 - \$16.25
43-5081	Stock Clerks/Order Fillers	790	740	-50	-6.3%	<5	30	30	Short-term on-the-job training	\$19,701	\$7.10 - \$11.19
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree (see note 9)	\$44,480	\$18.34 - \$23.93
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,180	1,310	130	11.0%	10	20	30	Short-term on-the-job training	\$20,368	\$7.55 - \$11.98
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
25-2021	Elemen Schl Tchrs Ex Special Ed	710	780	70	9.9%	10	20	30	Bachelor's degree	\$41,824	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
35-2021	Food Prep Wrkrs	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
43-3031	Bookkeep/Account/Auditing Clerks	960	1,000	40	4.2%	<5	20	20	Moderate-term on-the-job training	\$24,265	\$9.18 - \$13.71
43-6014	Secretaries/Ex Legal/Medical/Exec	1,040	940	-100	-9.6%	<5	20	20	Moderate-term on-the-job training	\$21,410	\$8.14 - \$12.39
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	570	570	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$24,700	\$9.79 - \$13.75
51-9198	Helpers--Production Wrkrs	530	550	20	3.8%	<5	20	20	Short-term on-the-job training	\$24,213	\$9.48 - \$13.41
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
49-9042	Maint/Repair Wrkrs/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
53-3033	Truck Drivers/Light or Delivery Svcs	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	570	630	60	10.5%	10	10	20	Work exp. in a related occupation	\$39,040	\$14.55 - \$22.81
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
37-3011	Landscaping/Grndskpng Wrks	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65
51-9111	Packagng/Fillng Machn Oprs/Tendr	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
29-2061	Licensed Pract/Vocational Nurses	350	410	60	17.1%	10	10	20	Postsecondary vocational training	\$30,553	\$12.78 - \$16.55
33-2011	Fire Fighters	340	390	50	14.7%	10	10	20	Long-term on-the-job training	\$25,098	\$9.72 - \$15.89
53-3022	Bus Drivers/School	310	390	80	25.8%	10	10	20	Short-term on-the-job training	\$23,202	\$9.34 - \$13.28
47-2111	Electricians	290	370	80	27.6%	10	10	20	Long-term on-the-job training	\$35,728	\$12.21 - \$21.57
39-9011	Child Care Wrks	240	300	60	25.0%	10	10	20	Short-term on-the-job training	\$18,628	\$7.14 - \$9.66
47-2152	Plumbers/Pipefitters/Steamfitters	200	250	50	25.0%	10	10	20	Long-term on-the-job training	\$48,683	\$22.83 - \$26.94
43-6011	Executive Secretaries/Admin Assts	700	730	30	4.3%	<5	10	10	Moderate-term on-the-job training	\$29,388	\$10.76 - \$16.54
53-7051	Industrial Truck/Tractor Oprs	580	610	30	5.2%	<5	10	10	Short-term on-the-job training	\$27,588	\$11.20 - \$15.14
53-7064	Packers/Packagers/Hand	570	610	40	7.0%	<5	10	10	Short-term on-the-job training	\$21,704	\$8.52 - \$12.02
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrks	600	600	0	0.0%	<5	10	10	Work exp. in a related occupation	\$39,064	\$13.55 - \$22.12
49-3023	Automotive Service Techs/Mechanics	410	450	40	9.8%	<5	10	10	Postsecondary vocational training	\$30,620	\$10.46 - \$19.04

Also included in the top 50 but not shown to protect the confidentiality of employers are the following occupations:

43-4051	Customer Service Reps	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* *
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Sub-set totals (top 50)	36,890	41,290	4,400		510	1,050	1,560
Overall totals	69,710	77,960	8,250		830	1,740	2,570
Percent of overall	53%	53%	53%		61%	60%	61%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

Local analyst: Beverly Gehrke

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## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	2,220	2,410	190	8.6%	20	110	130	Short-term on-the-job training	\$15,531	\$6.23 - \$8.36
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree (see note 9)	\$44,480	\$18.34 - \$23.93
35-3011	Bartenders	1,020	1,100	80	7.8%	10	40	50	Short-term on-the-job training	\$16,268	\$7.09 - \$8.41
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
43-9061	Office Clerks/General	1,110	1,160	50	4.5%	10	30	40	Short-term on-the-job training	\$20,165	\$7.81 - \$11.43
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	1,130	1,090	-40	-3.5%	<5	40	40	Short-term on-the-job training	\$24,230	\$8.13 - \$14.31
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,180	1,310	130	11.0%	10	20	30	Short-term on-the-job training	\$20,368	\$7.55 - \$11.98
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
25-2021	Elemen Schl Tchrs Ex Special Ed	710	780	70	9.9%	10	20	30	Bachelor's degree	\$41,824	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
35-2021	Food Prep Wrkrs	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
51-2092	Team Assemblers	1,200	1,180	-20	-1.7%	<5	30	30	Moderate-term on-the-job training	\$27,347	\$9.16 - \$16.25
43-5081	Stock Clerks/Order Fillers	790	740	-50	-6.3%	<5	30	30	Short-term on-the-job training	\$19,701	\$7.10 - \$11.19
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
49-9042	Maint/Repair Wrkrs/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
53-3033	Truck Drivers/Light or Delivery Srvc	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrkrs	570	630	60	10.5%	10	10	20	Work exp. in a related occupation	\$39,040	\$14.55 - \$22.81
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
37-3011	Landscaping/Grndskpng Wrkrs	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65
51-9111	Packagng/Filling Machn Oprs/Tendr	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
29-2061	Licensed Pract/Vocational Nurses	350	410	60	17.1%	10	10	20	Postsecondary vocational training	\$30,553	\$12.78 - \$16.55
33-2011	Fire Fighters	340	390	50	14.7%	10	10	20	Long-term on-the-job training	\$25,098	\$9.72 - \$15.89
53-3022	Bus Drivers/School	310	390	80	25.8%	10	10	20	Short-term on-the-job training	\$23,202	\$9.34 - \$13.28
47-2111	Electricians	290	370	80	27.6%	10	10	20	Long-term on-the-job training	\$35,728	\$12.21 - \$21.57
39-9011	Child Care Wrkrs	240	300	60	25.0%	10	10	20	Short-term on-the-job training	\$18,628	\$7.14 - \$9.66
47-2152	Plumbers/Pipefitters/Steamfitters	200	250	50	25.0%	10	10	20	Long-term on-the-job training	\$48,683	\$22.83 - \$26.94
43-3031	Bookkeep/Account/Auditing Clerks	960	1,000	40	4.2%	<5	20	20	Moderate-term on-the-job training	\$24,265	\$9.18 - \$13.71
43-6014	Secretaries/Ex Legal/Medical/Exec	1,040	940	-100	-9.6%	<5	20	20	Moderate-term on-the-job training	\$21,410	\$8.14 - \$12.39
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	570	570	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$24,700	\$9.79 - \$13.75
51-9198	Helpers--Production Wrkrs	530	550	20	3.8%	<5	20	20	Short-term on-the-job training	\$24,213	\$9.48 - \$13.41
31-1011	Home Health Aides	280	420	140	50.0%	10	<5	10	Short-term on-the-job training	\$19,073	\$8.06 - \$10.13
21-1093	Social/Human Service Assts	250	340	90	36.0%	10	<5	10	Moderate-term on-the-job training	\$27,168	\$9.36 - \$16.44
25-2011	Preschool Teachers/Ex Special Ed	250	320	70	28.0%	10	<5	10	Bachelor's degree	\$31,966	\$12.99 - \$18.17
39-5012	Hairdress/Hairstyl/Cosmetologists	210	260	50	23.8%	10	<5	10	Postsecondary vocational training	\$17,566	\$6.27 - \$10.22
31-9091	Dental Assts	130	190	60	46.2%	10	<5	10	Moderate-term on-the-job training	\$23,800	\$9.68 - \$12.01

Also included in the top 50 but not shown to protect the confidentiality of employers are the following occupations:

43-4051	Customer Service Reps	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
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Sub-set totals (top 50)	35,150	39,820	4,670			550	990	1,540
Overall totals	69,710	77,960	8,250			830	1,740	2,570
Percent of overall	50%	51%	57%			66%	57%	60%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

Local analyst: Beverly Gehrke

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## Occupation projections for Northwest Wisconsin: 2002 - 2012

### 37 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-6014	Secretaries/Ex Legal/Medical/Exec	1,040	940	-100	-9.6%	<5	20	20	Moderate-term on-the-job training	\$21,410	\$8.14 - \$12.39
43-9022	Word Processors/Typists	120	60	-60	-50.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,093	\$7.90 - \$12.38
43-5081	Stock Clerks/Order Fillers	790	740	-50	-6.3%	<5	30	30	Short-term on-the-job training	\$19,701	\$7.10 - \$11.19
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	1,130	1,090	-40	-3.5%	<5	40	40	Short-term on-the-job training	\$24,230	\$8.13 - \$14.31
51-2092	Team Assemblers	1,200	1,180	-20	-1.7%	<5	30	30	Moderate-term on-the-job training	\$27,347	\$9.16 - \$16.25
43-4151	Order Clerks	150	130	-20	-13.3%	<5	<5	<5	Short-term on-the-job training	\$28,241	\$9.58 - \$17.70
51-7041	Saw Machn Set/Op/Tendrs/Wood	340	330	-10	-2.9%	<5	10	10	Moderate-term on-the-job training	\$22,988	\$9.14 - \$12.69
11-1031	Legislators	270	260	-10	-3.7%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$21,027	\$6.20 - \$7.25
35-2012	Cooks/Institution/Cafeteria	250	240	-10	-4.0%	<5	10	10	Long-term on-the-job training	\$19,290	\$7.95 - \$10.49
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	150	140	-10	-6.7%	<5	<5	<5	Short-term on-the-job training	\$32,627	\$11.72 - \$19.50
43-4071	File Clerks	90	80	-10	-11.1%	<5	<5	<5	Short-term on-the-job training	\$18,637	\$7.76 - \$10.27
43-9021	Data Entry Keyers	80	70	-10	-12.5%	<5	<5	<5	Moderate-term on-the-job training	\$21,930	\$8.52 - \$11.62
49-2022	Telecm Eqp Inst/Reprsr/Ex Line Inst	80	70	-10	-12.5%	<5	<5	<5	Postsecondary vocational training	\$41,866	\$17.91 - \$24.58
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	80	70	-10	-12.5%	<5	<5	<5	Moderate-term on-the-job training	\$23,341	\$8.32 - \$13.95
51-2022	Electrical/Electronic Equipmnt Assemblers	70	60	-10	-14.3%	<5	<5	<5	Short-term on-the-job training	\$23,306	\$6.83 - \$8.61
51-9023	Mix/Blend Machn Settrs/Opr/Tendrs	70	60	-10	-14.3%	<5	<5	<5	Moderate-term on-the-job training	\$33,221	\$12.65 - \$19.57
17-3013	Mechanical Drafters	60	50	-10	-16.7%	<5	<5	<5	Postsecondary vocational training	\$34,387	\$14.13 - \$18.55
19-2041	Environ Sci/Specialists/Incl Health	60	50	-10	-16.7%	<5	<5	<5	Master's degree	\$48,810	\$18.66 - \$25.57
43-4061	Eligibility Interviewers/Gov't Progrms	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$33,801	\$13.29 - \$19.67
43-4131	Loan Interviewers/Clerks	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$22,150	\$9.58 - \$11.47
43-9011	Computer Oprs	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$28,889	\$10.71 - \$16.99
43-9051	Mail Clerks/Mail Machn Oprs/Ex Postal Ser	50	40	-10	-20.0%	<5	<5	<5	Short-term on-the-job training	\$22,777	\$7.06 - \$13.52
43-3061	Procurement Clerks	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$30,854	\$12.24 - \$16.91
43-5041	Meter Readers/Utilities	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$41,325	\$17.23 - \$22.58
Also included in the top forty but not shown to protect the confidentiality of employers are the following occupations:											-
51-6031	Sewing Machine Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
41-9041	Telemarketers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-4011	Locomotive Engineers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
47-4061	Rail-Track Layng/Maint Eqpmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### 37 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-2031	Engine/Other Machn Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-4021	Railroad Brake/Signal/Switch Oprs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
41-3041	Travel Agents	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
17-2121	Marine Engineers/Naval Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
51-6062	Textl Cuttng Mchn Set/Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

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# Occupation projections for Northwest Wisconsin: 2002 - 2012

## Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	2,220	2,410	190	8.6%	20	110	130	Short-term on-the-job training	\$15,531	\$6.23 - \$8.36
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree (see note 9)	\$44,480	\$18.34 - \$23.93
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,180	1,310	130	11.0%	10	20	30	Short-term on-the-job training	\$20,368	\$7.55 - \$11.98
51-2092	Team Assemblers	1,200	1,180	-20	-1.7%	<5	30	30	Moderate-term on-the-job training	\$27,347	\$9.16 - \$16.25
43-9061	Office Clerks/General	1,110	1,160	50	4.5%	10	30	40	Short-term on-the-job training	\$20,165	\$7.81 - \$11.43
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
35-3011	Bartenders	1,020	1,100	80	7.8%	10	40	50	Short-term on-the-job training	\$16,268	\$7.09 - \$8.41
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	1,130	1,090	-40	-3.5%	<5	40	40	Short-term on-the-job training	\$24,230	\$8.13 - \$14.31
43-3031	Bookkeep/Account/Auditing Clerks	960	1,000	40	4.2%	<5	20	20	Moderate-term on-the-job training	\$24,265	\$9.18 - \$13.71
43-6014	Secretaries/Ex Legal/Medical/Exec	1,040	940	-100	-9.6%	<5	20	20	Moderate-term on-the-job training	\$21,410	\$8.14 - \$12.39
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
49-9042	Maint/Repair Wrkrs/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
25-2021	Elemen Schl Tchrs Ex Special Ed	710	780	70	9.9%	10	20	30	Bachelor's degree	\$41,824	-
43-5081	Stock Clerks/Order Fillers	790	740	-50	-6.3%	<5	30	30	Short-term on-the-job training	\$19,701	\$7.10 - \$11.19
43-6011	Executive Secretaries/Admin Assts	700	730	30	4.3%	<5	10	10	Moderate-term on-the-job training	\$29,388	\$10.76 - \$16.54
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
53-3033	Truck Drivers/Light or Delivery Srvc	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrkrs	570	630	60	10.5%	10	10	20	Work exp. in a related occupation	\$39,040	\$14.55 - \$22.81
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
53-7051	Industrial Truck/Tractor Oprs	580	610	30	5.2%	<5	10	10	Short-term on-the-job training	\$27,588	\$11.20 - \$15.14

## Occupation projections for Northwest Wisconsin: 2002 - 2012

### Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7064	Packers/Packagers/Hand	570	610	40	7.0%	<5	10	10	Short-term on-the-job training	\$21,704	\$8.52 - \$12.02
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	600	600	0	0.0%	<5	10	10	Work exp. in a related occupation	\$39,064	\$13.55 - \$22.12
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	570	570	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$24,700	\$9.79 - \$13.75
35-2021	Food Prep Wrkrs	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
51-9198	Helpers--Production Wrkrs	530	550	20	3.8%	<5	20	20	Short-term on-the-job training	\$24,213	\$9.48 - \$13.41
37-3011	Landscaping/Grndskpng Wrkrs	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65
49-3023	Automotive Service Techs/Mechanics	410	450	40	9.8%	<5	10	10	Postsecondary vocational training	\$30,620	\$10.46 - \$19.04
51-9111	Packagng/Filling Machn Oprs/Tendrs	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	420	440	20	4.8%	<5	10	10	Bachelor's degree	\$41,837	-
35-9021	Dishwashers	420	440	20	4.8%	<5	10	10	Short-term on-the-job training	\$13,435	\$5.95 - \$6.98
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
31-1011	Home Health Aides	280	420	140	50.0%	10	<5	10	Short-term on-the-job training	\$19,073	\$8.06 - \$10.13
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrkrs	370	410	40	10.8%	<5	10	10	Work exp. in a related occupation	\$26,076	\$10.04 - \$15.23
Sub-set totals (top 50)		36,650	40,890	4,240		450	1,010	1,460			
Overall totals		69,710	77,960	8,250		830	1,740	2,570			
Percent of overall		53%	52%	51%		54%	58%	57%			

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

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## Occupation Projections for Northwest Wisconsin: 2002 - 2012

### Education or training path for occupations in Northwest Wisconsin WDA

Typical education or training path	Number of Occupations included	Estimate employment		Change		Annual average		
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings
<b>All occupations</b>	728	69,720	77,960	8,240	12%	850	1,750	2,600
Associate degree	33	1,590	1,910	320	20%	30	30	60
Bachelor's degree	104	7,570	8,920	1,350	18%	140	150	290
Master's degree	34	1,410	1,660	250	18%	30	30	60
First professional degree	16	490	610	120	24%	10	10	20
Doctoral degree	39	520	680	160	31%	20	10	30
Long-term on-the-job training	80	6,070	6,930	860	14%	90	140	230
Moderate-term on-the-job training	165	15,390	16,560	1,170	8%	120	330	450
Short-term on-the-job training	134	27,380	30,270	2,890	11%	290	850	1,140
Bachelor's degree or more, plus work exp.	29	2,210	2,490	280	13%	30	40	70
Work exp. in a related occupation	45	4,450	4,910	460	10%	50	100	150
Postsecondary vocational training	49	2,640	3,020	380	14%	40	60	100

#### Notes:

- (1) **Employment** is rounded to the nearest ten. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total** openings are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.

There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.

**Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

**Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

**Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

**Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.

**Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

**Associate Degree:** This degree requires two years of full-time academic work beyond high school.

**Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.

**Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.

**Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.

**First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.

**Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

Employment for Registered nurses is included under Bachelor's degree.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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## Occupation Projections for Northwest Wisconsin: 2002 - 2012

### Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.  
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.  
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.  
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.  
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.  
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.  
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.  
Associate Degree: This degree requires two years of full-time academic work beyond high school.  
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.  
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.  
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.  
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.  
Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.  
Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.  
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.  
47-5099 includes employment for 47-5071. Education/training and wages are shown individually, if available.  
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.  
53-4099 includes employment for 53-4012. Education/training and wages are shown individually, if available.  
53-6099 includes employment for 53-5031, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common.  
\* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

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